

INDOOR UNITS MVD High Pressure Duct DC2

- DC Fan Motor
- Static pressure configurable from the micro-switches or from the new WDC controls.
- Occupy a single address in the system
- Possibility of limiting temperatures with the new 2-wire wired controls (WDC)
- Temperature setting of 0.5°C and 7 fan speeds (with RM12D and WDC controls)
- Control is not included



TECHNICAL SPECIFICATIONS

















Model			MVD-160T1DN1	MVD-200T1DN1	MVD-250T1DN1	MVD-280T1DN1
Code			CL23530	CL23531	CL23532	CL23533
Power supply		Ph, V, Hz	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50	1N-, 220-240, 50
Cooling ⁽¹⁾	Capacity	kW	16.0	20.0	25.0	28.0
	Power consump.	W	700	990	990	1200
Heating ⁽²⁾	Capacity	kW	17.0	22.5	26.0	31.5
	Power consump..	W	700	990	990	1200
Fan	Air flow rate ⁽³⁾	m³/h	2660/2530/2400/2270/ 2140/2010/1880	4330/4230/4130/4030/ 3930/3830/3730	4330/4230/4130/4030/ 3930/3830/3730	4330/4230/4130/4030/ 3930/3830/3730
	Sound pressure ⁽⁴⁾	dB(A)	54/54/53/52/51/50/50	57/56/55/54/53/52/50	57/56/55/54/53/52/50	57/56/55/54/53/52/50
	Sound power	dB(A)	72/72/71/70/69/68/68	75/74/73/72/71/70/68	75/74/73/72/71/70/68	75/74/73/72/71/70/68
	Static pressure nominal (min.-max)	Pa	100 (30 – 200)	170 (20 – 250)	170 (20 – 250)	170 (20 – 250)
Indoor unit	Dim. (W x H x D)	mm	1300 x 420 x 690	1440 x 505 x 925	1440 x 505 x 925	1440 x 505 x 925
	Weight	kg	63	130	130	130
Drainage	Connection	mm	Ø25	Ø32	Ø32	Ø32
Connection pipes	Liquid Line	mm	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Gas Line	mm	15.9 (5/8")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
Electrical connections ⁽⁶⁾	Wiring Power	mm²	2 x 2.5 + T (L<20m)			
	Signal wiring	mm²	3 x 0.75 (shielded)			

Notes:

- ⁽¹⁾ Nominal cooling conditions: Indoor 27°C DB, 19 °C WB and outdoor 35 °C DB, 24°C WB, pipe length of 7.5m and a height difference of 0 m.
⁽²⁾ Nominal heating conditions: Indoor 20 °C DB, 15 °C WB and outdoor 7 °C DB, 6 °C WB, pipe length of 7.5m and a height difference of 0 m.
⁽³⁾ Air flow from the highest to the lowest speed, in total each equipment has 7 speeds.
⁽⁴⁾ Sound pressure from the highest to the lowest speed, in total each equipment has 7 speeds. Measured 1.4 m below the unit in a semi-anechoic chamber.
⁽⁵⁾ Maximum height from the base of the unit with elbow 90° to 200 mm max.
⁽⁶⁾ Power wiring recommended for L < 20 m, for longer distances it should be calculated.

OPTIONALS

More information about the options in the section "CONTROL SYSTEMS"

Wireless control		Wired remote control		
 RM12D (CL 97 821)	 WDC-120G/WK (CL 97 810)	 WDC-86E/KD (CL 97 811)	 KJR-29B1/BK-E (CL 92 869)	 KJR-86C-E (CL 92 870)
Integral control⁽¹⁾		BMS⁽¹⁾		
 IMM4 (CL 97 160-163)	 CCM08/E (CL 92 915)	 LONGW64/E (CL 92 877)	 MD-AC-MBS (CL 99 097/ CL 99 114-116)	 MD-AC-KNX (CL 94 792 / CL 99 094-095)
Centralized control⁽¹⁾				WIFI
 CCM180A/BWS (CL 97 800)	 CCM270A/BWS (CL 97 801)	 CCM30/BKE (CL 92 871)	 CCM15 (CL 92 872)	 K-380EW (CO 14 907)
				Accessories
				 ON/OFF CONNECTOR (CL 94 398)

(1) Can only be connected via the outdoor unit

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- Temperature setting of 0.5°C and 7 fan speeds (with RM12D and WDC controls)
- Connections on the left side (Front View)
- Control is not included

TECHNICAL SPECIFICATIONS

Model		MVD-560T1DN1	
Code		CL23536	
Power supply		Ph, V, Hz	1N-, 220-240, 50
Cooling ⁽¹⁾	Capacity	kW	56.0
	Power consumption.	W	2272
Heating ⁽²⁾	Capacity	kW	63.0
	Power consumption.	W	2272
Fan	Air flow rate ⁽³⁾	m ³ /h	7400/7000/6600/6200/5800/5400/5000
	Sound pressure ⁽⁴⁾	dB(A)	59/58/57/56/55/53/51
	Sound power	dB(A)	77/76/75/74/73/71/69
	Static pressure nominal (min.-max.)	Pa	300 (100 - 400)
Indoor unit	Dim. (W x H x D)	mm	1937 x 680 x 905
	Weight	kg	218
Drainage	Connection	mm	Ø32
Connection pipes	Liquid Line	mm	15.9 (5/8")
	Gas Line	mm	28.6 (1 1/8")
Electrical connections ⁽⁶⁾	Wiring Power	mm ²	2 x 4 + T (L < 20m)
	Signal wiring	mm ²	3 x 0.75 (shielded)



















Notes:

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⁽³⁾ Air flow from the highest to the lowest speed, in total each equipment has 7 speeds.
⁽⁴⁾ Sound pressure from the highest to the lowest speed, in total each equipment has 7 speeds. Measured 1.4 m below the unit in a semi-anechoic chamber.
⁽⁵⁾ Maximum height from the base of the unit with elbow 90° to 200 mm max.
⁽⁶⁾ Power wiring recommended for L < 20 m, for longer distances it should be calculated.

OPTIONALS

More information about the options in the section "CONTROL SYSTEMS"

Wireless control		Wired remote control			
					
NEW! RM12D (CL 97 821)	RECOMMENDED NEW! WDC-120G/WK (CL 97 810)	NEW! WDC-86E/KD (CL 97 811)	KJR-29B1/BK-E (CL 92 869)	KJR-86C-E (CL 92 870)	
Integral control ⁽¹⁾		BMS ⁽¹⁾			
					
IMM4 (CL 97 160-163)	CCM08/E (CL 92 915)	LONGW64/E (CL 92 877)	MD-AC-MBS (CL 99 097/ CL 99 114-116)	MD-AC-KNX (CL 94 792 / CL 99 094-095)	
Centralized control ⁽¹⁾				WIFI	Accessories
					
CCM180A/BWS (CL 97 800)	CCM270A/BWS (CL 97 801)	CCM30/BKE (CL 92 871)	CCM15 (CL 92 872)	K-380EW (CO 14 907)	ON/OFF CONNECTOR (CL 94 398)

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